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***** Welcome to STN International *****

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	4	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	5	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	6	FEB 10	COMPENDEX reloaded and enhanced
NEWS	7	FEB 11	WTEXTILES reloaded and enhanced
NEWS	8	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	9	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	10	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	11	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	12	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	13	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	14	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	15	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	16	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	17	MAR 11	ESBIOBASE reloaded and enhanced
NEWS	18	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	19	MAR 23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China
NEWS	20	MAR 30	IMSPATENTS reloaded and enhanced
NEWS	21	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	22	APR 07	STN is raising the limits on saved answers
NEWS	23	APR 24	CA/CAPLUS now has more comprehensive patent assignee information
NEWS	24	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	25	APR 28	CAS patent authority coverage expanded
NEWS	26	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	27	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS	28	MAY 08	STN Express, Version 8.4, now available
NEWS	29	MAY 11	STN on the Web enhanced

substance identification.

=> e w/o/w

'W' IS NOT A VALID EXPAND FIELD CODE FOR FILE 'HCAPLUS'
The indicated field code is not available for EXPAND in this
file. To see a list of valid EXPAND field codes, enter HELP
SFIELDS at an arrow prompt (=>).

=> s w/o/w

'W' IS NOT A VALID FIELD CODE

L1 0 W/O/W

=> s (w/o/w)

'W' IS NOT A VALID FIELD CODE

L2 0 (W/O/W)

=> s water-in-oil-in-water

2890550 WATER

286180 WATERS

2951402 WATER

(WATER OR WATERS)

869897 OIL

417784 OILS

985652 OIL

(OIL OR OILS)

2890550 WATER

286180 WATERS

2951402 WATER

(WATER OR WATERS)

L3 2734 WATER-IN-OIL-IN-WATER

(WATER(1W)OIL(1W)WATER)

=> s l3 and (drug(1W)extraction) or detoxication or detoxifying or (detoxification
OR "Detoxification" (L) "biol.")

865206 DRUG

380703 DRUGS

1045681 DRUG

(DRUG OR DRUGS)

189511 EXTRACTION

1335 EXTRACTIONS

190293 EXTRACTION

(EXTRACTION OR EXTRACTIONS)

458724 EXTN

16320 EXTNS

464947 EXTN

(EXTN OR EXTNS)

505344 EXTRACTION

(EXTRACTION OR EXTN)

664 DRUG(1W)EXTRACTION

9968 DETOXICATION

16 DETOXICATIONS

9974 DETOXICATION

(DETOXICATION OR DETOXICATIONS)

4838 DETOXIFYING

24098 DETOXIFICATION

39 DETOXIFICATIONS

24117 DETOXIFICATION

(DETOXIFICATION OR DETOXIFICATIONS)

24098 "DETOXIFICATION"

39 "DETOXIFICATIONS"

24117 "DETOXIFICATION"

("DETOXIFICATION" OR "DETOXIFICATIONS")

722136 "BIOL"
33 "BIOLS"
722151 "BIOL."
("BIOL" OR "BIOLS")
5656 "DETOXIFICATION" (L) "BIOL."
L4 34353 L3 AND (DRUG(1W)EXTRACTION) OR DETOXICATION OR DETOXIFYING OR
(DETOXIFICATION OR "DETOXIFICATION" (L) "BIOL.")

=> d 14 34353

L4 ANSWER 34353 OF 34353 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1906:219492 HCAPLUS
DN 0:219492
TI Contributions to the theory of the ammonia-detoxifying function
of the liver. [machine translation]
AU Biedl, Arthur; Winterberg, Heinrich
CS Inst. f. allg. und exper. Pathol., Vienna
SO Pflugers Archiv (1901), 88, 140-200
From: Chem. Zentr., 1902, I, 217-218
CODEN: PFLABK; ISSN: 0031-6768
DT Journal
LA Unavailable

=> s 13 and (drug(1W)extraction)
865206 DRUG
380703 DRUGS
1045681 DRUG
(DRUG OR DRUGS)
189511 EXTRACTION
1335 EXTRACTIONS
190293 EXTRACTION
(EXTRACTION OR EXTRACTIONS)
458724 EXTN
16320 EXTNS
464947 EXTN
(EXTN OR EXTNS)
505344 EXTRACTION
(EXTRACTION OR EXTN)
664 DRUG(1W)EXTRACTION
L5 2 L3 AND (DRUG(1W)EXTRACTION)

=> d 15 1-2

L5 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1982:609752 HCAPLUS
DN 97:209752
OREF 97:35081a,35084a
TI Detoxication capacity of a multiple (water-in-oil-in-
water) emulsion for the treatment of drug overdose. II.
Detoxication of quinine sulfate with the emulsion in the gastro-intestinal
tract of rabbits
AU Morimoto, Yasunori; Yamaguchi, Yukiya; Sugibayashi, Kenji
CS Fac. Pharm. Sci., Josai Univ., Sakado, 350-02, Japan
SO Chemical & Pharmaceutical Bulletin (1982), 30(8), 2980-5
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English

L5 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1980:88048 HCAPLUS
DN 92:88048

OREF 92:14327a,14330a
 TI Detoxication capacity of a multiple (water-in-oil-in-water) emulsion for the treatment of drug overdose: drug extraction into the emulsion in the gastrointestinal tract of rabbits
 AU Morimoto, Yasunori; Sugibayashi, Kenji; Yamaguchi, Yukiya; Kato, Yoshio
 CS Fac. Pharm. Sci., Josai Univ., Sakado, 350-02, Japan
 SO Chemical & Pharmaceutical Bulletin (1979), 27(12), 3188-92
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English

=> s l3 and ("Detoxification" (L) "biol.")
 24098 "DETOXIFICATION"
 39 "DETOXIFICATIONS"
 24117 "DETOXIFICATION"
 ("DETOXIFICATION" OR "DETOXIFICATIONS")
 722136 "BIOL"
 33 "BIOLS"
 722151 "BIOL."
 ("BIOL" OR "BIOLS")
 5656 "DETOXIFICATION" (L) "BIOL."
 L6 3 L3 AND ("DETOXIFICATION" (L) "BIOL.")

=> d l6 1-3

L6 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 2007:1452067 HCAPLUS
 DN 148:175040
 TI Potentialities of W/O/W multiple emulsions in drug delivery and detoxification
 AU Grossiord, Jean-Louis; Stambouli, Moncef
 CS Laboratoire de Physique Pharmaceutique UMR CNRS 8612, Faculte de Pharmacie, Chatenay-Malabry, F 92296, Fr.
 SO Multiple Emulsions (2008), 209-234. Editor(s): Aserin, Abraham. Publisher: John Wiley & Sons, Inc., Hoboken, N. J. CODEN: 69KFSI; ISBN: 978-0-470-17093-9
 DT Conference; General Review
 LA English
 RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 2006:732453 HCAPLUS
 DN 146:12772
 TI Formulation of stable detoxifying w/o/w reactive multiple emulsions: in vitro evaluation
 AU Hamoudeh, M.; Seiller, M.; Chauvierre, C.; Auchere, D.; Lacour, B.; Pareau, D.; Stambouli, M.; Grossiord, J.-L.
 CS Laboratoire de Physicochimie, Pharmacotechnie et Biopharmacie, UMR CNRS 8612, Faculte de Pharmacie, Universite Paris-XI, Chatenay-Malabry, 92296, Fr.
 SO Journal of Drug Delivery Science and Technology (2006), 16(3), 223-228
 CODEN: JDDSL; ISSN: 1773-2247
 PB Editions de Sante
 DT Journal
 LA English
 RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2009 ACS on STN

AN 1999:136784 HCAPLUS
 DN 130:155667
 TI Formulation of systems for controlled release of active ingredients in multiple-phase (water-in-oil-in-water) emulsions
 IN Bibette, Jerome; Fichoux, Marie-Francoise; Leal Calderon, Fernando; Bonnakkdar, Lida
 PA Centre National de la Recherche Scientifique (CNRS), Fr.
 SO PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9907463	A1	19990218	WO 1998-FR1748	19980805
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2767064	A1	19990212	FR 1997-10154	19970807
	FR 2767064	B1	19991112		
	CA 2267083	A1	19990218	CA 1998-2267083	19980805
	CA 2267083	C	20040127		
	AU 9889887	A	19990301	AU 1998-89887	19980805
	AU 729461	B2	20010201		
	EP 930933	A1	19990728	EP 1998-941547	19980805
	EP 930933	B1	20030416		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE				
	JP 2000503685	T	20000328	JP 1999-511767	19980805
	JP 3725559	B2	20051214		
	AT 237395	T	20030515	AT 1998-941547	19980805
	ES 2200364	T3	20040301	ES 1998-941547	19980805
	US 6627603	B1	20030930	US 1999-284062	19990810
PRAI	FR 1997-10154	A	19970807		
	WO 1998-FR1748	W	19980805		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 13 and (detoxication or detoxifying)

9968 DETOXICATION
 16 DETOXICATIONS
 9974 DETOXICATION
 (DETOXICATION OR DETOXICATIONS)
 4838 DETOXIFYING

L7 4 L3 AND (DETOXICATION OR DETOXIFYING)

=> d 17 1-4

L7 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN

AN 2007:1452067 HCAPLUS

DN 148:175040

TI Potentialities of W/O/W multiple emulsions in drug delivery and detoxification

AU Grossiord, Jean-Louis; Stambouli, Moncef

CS Laboratoire de Physique Pharmaceutique UMR CNRS 8612, Faculte de Pharmacie, Chateauf-Malabry, F 92296, Fr.

SO Multiple Emulsions (2008), 209-234. Editor(s): Aserin, Abraham.
Publisher: John Wiley & Sons, Inc., Hoboken, N. J.
CODEN: 69KFSI; ISBN: 978-0-470-17093-9
DT Conference; General Review
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:732453 HCAPLUS
DN 146:12772

TI Formulation of stable detoxifying w/o/w reactive multiple emulsions: in vitro evaluation
AU Hamoudeh, M.; Seiller, M.; Chauvierre, C.; Auchere, D.; Lacour, B.; Pareau, D.; Stambouli, M.; Grossiord, J.-L.
CS Laboratoire de Physicochimie, Pharmacotechnie et Biopharmacie, UMR CNRS 8612, Faculte de Pharmacie, Universite Paris-XI, Chatenay-Malabry, 92296, Fr.

SO Journal of Drug Delivery Science and Technology (2006), 16(3), 223-228
CODEN: JDDSDL; ISSN: 1773-2247

PB Editions de Sante
DT Journal
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1982:609752 HCAPLUS
DN 97:209752

OREF 97:35081a,35084a
TI Detoxication capacity of a multiple (water-in-oil-in-water) emulsion for the treatment of drug overdose. II. Detoxication of quinine sulfate with the emulsion in the gastro-intestinal tract of rabbits
AU Morimoto, Yasunori; Yamaguchi, Yukiya; Sugibayashi, Kenji
CS Fac. Pharm. Sci., Josai Univ., Sakado, 350-02, Japan
SO Chemical & Pharmaceutical Bulletin (1982), 30(8), 2980-5
CODEN: CPBTAL; ISSN: 0009-2363

DT Journal
LA English

L7 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1980:88048 HCAPLUS
DN 92:88048

OREF 92:14327a,14330a
TI Detoxication capacity of a multiple (water-in-oil-in-water) emulsion for the treatment of drug overdose: drug extraction into the emulsion in the gastrointestinal tract of rabbits

AU Morimoto, Yasunori; Sugibayashi, Kenji; Yamaguchi, Yukiya; Kato, Yoshio
CS Fac. Pharm. Sci., Josai Univ., Sakado, 350-02, Japan
SO Chemical & Pharmaceutical Bulletin (1979), 27(12), 3188-92
CODEN: CPBTAL; ISSN: 0009-2363

DT Journal
LA English

=> s 13 and extractant
20226 EXTRACTANT
9768 EXTRACTANTS
25510 EXTRACTANT
(EXTRACTANT OR EXTRACTANTS)

L8 18 L3 AND EXTRACTANT

=> d 18 1-18

L8 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:185214 HCAPLUS
DN 146:408084
TI Synthesis of hydroxyapatite nanoparticles using an emulsion liquid membrane system
AU Jarudilokkul, Somnuk; Tanthapanichakoon, Wiwut; Boonamnuayvittaya, Virote
CS Department of Chemical Engineering, King Mongkut's University of Technology, Bangkok, Thonburi, 10140, Thailand
SO Colloids and Surfaces, A: Physicochemical and Engineering Aspects (2007), 296(1-3), 149-153
CODEN: CPEAEH; ISSN: 0927-7757
PB Elsevier B.V.
DT Journal
LA English
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:1243999 HCAPLUS
DN 146:209006
TI Preparation of Y2SiO5:Ln3+ (Ln = Eu, Tb, Sm) and Gd9.33(SiO4)6O2:Ln3+ (Ln = Eu, Tb) Phosphor Fine Particles Using an Emulsion Liquid Membrane System
AU Hirai, Takayuki; Kondo, Yuki
CS Research Center for Solar Energy Chemistry, and Division of Chemical Engineering, Graduate School of Engineering Science, Osaka University, Toyonaka, Osaka, 560-8531, Japan
SO Journal of Physical Chemistry C (2007), 111(1), 168-174
CODEN: JPCCCK; ISSN: 1932-7447
PB American Chemical Society
DT Journal
LA English
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:732453 HCAPLUS
DN 146:12772
TI Formulation of stable detoxifying w/o/w reactive multiple emulsions: in vitro evaluation
AU Hamoudeh, M.; Seiller, M.; Chauvierre, C.; Auchere, D.; Lacour, B.; Pareau, D.; Stambouli, M.; Grossiord, J.-L.
CS Laboratoire de Physicochimie, Pharmacotechnie et Biopharmacie, UMR CNRS 8612, Faculte de Pharmacie, Universite Paris-XI, Chatenay-Malabry, 92296, Fr.
SO Journal of Drug Delivery Science and Technology (2006), 16(3), 223-228
CODEN: JDDSDJ; ISSN: 1773-2247
PB Editions de Sante
DT Journal
LA English
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:1158591 HCAPLUS
DN 144:436320
TI Uranium(VI) extraction by liquid surfactant membrane with N-alkylcaprolactams as a carrier
AU Yang, Li; Zhang, Zhengxi; Guo, Yaju; Gao, Xuhui; Takeuchi, Hiroshi

CS School of Chemistry and Chemical Technology, Shanghai Jiao Tong
University, Shanghai, 200240, Peop. Rep. China
SO Separation and Purification Technology (2005), 47(1-2), 88-94
CODEN: SPUTFP; ISSN: 1383-5866
PB Elsevier B.V.
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:162484 HCAPLUS
DN 142:419338
TI Preparation of Sr2CeO4:Eu3+,Dy3+ White Luminescence Phosphor Particles and
Thin Films by Using an Emulsion Liquid Membrane System
AU Hirai, Takayuki; Kawamura, Yusuke
CS Research Center for Solar Energy Chemistry, Osaka University, Osaka,
560-8531, Japan
SO Journal of Physical Chemistry B (2005), 109(12), 5569-5573
CODEN: JPCBPK; ISSN: 1520-6106
PB American Chemical Society
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:654683 HCAPLUS
DN 141:320812
TI Study of the Stability of W/O/W-Type Emulsion During the Extraction of
Nickel via Emulsion Liquid Membrane
AU Chakraborty, Mousumi; Bhattacharya, Chiranjib; Datta, Siddhartha
CS Department of Chemical Engineering, S. V. National Institute of
Technology, Surat, India
SO Separation Science and Technology (2004), 39(11), 2609-2625
CODEN: SSTEDS; ISSN: 0149-6395
PB Marcel Dekker, Inc.
DT Journal
LA English
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:456179 HCAPLUS
DN 141:162808
TI Preparation of Y2O3 nanoparticulate thin films using an emulsion liquid
membrane system
AU Hirai, Takayuki; Kawamura, Yusuke; Komasa, Isao
CS Research Center for Solar Energy Chemistry, Osaka University, and Division
of Chemical Engineering, Graduate School of Engineering Science, Osaka
University, Toyonaka, Osaka, 560-8531, Japan
SO Journal of Colloid and Interface Science (2004), 275(2), 508-513
CODEN: JCISA5; ISSN: 0021-9797
PB Elsevier Science
DT Journal
LA English
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2002:226472 HCAPLUS
DN 136:389532

TI The preparation of rare earth phosphate fine particles in an emulsion
 liquid membrane system
 AU Nishihama, Syouhei; Hirai, Takayuki; Komasaawa, Isao
 CS Department of Chemical Science and Engineering, Graduate School of
 Engineering Science, and Research Center for Solar Energy Chemistry, Osaka
 University, Toyonaka, Osaka, 560-8531, Japan
 SO Journal of Materials Chemistry (2002), 12(4), 1053-1057
 CODEN: JMACEP; ISSN: 0959-9428
 PB Royal Society of Chemistry
 DT Journal
 LA English
 RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 2001:417396 HCAPLUS
 DN 135:228850
 TI Preparation and microscopic structure control of fine particle materials
 by using emulsion liquid membrane system as a microreactor
 AU Hirai, Takayuki; Komasaawa, Isao
 CS Department of Chemical Science and Engineering, Graduate School of
 Engineering Science, Osaka University, Toyonaka, 560-8531, Japan
 SO Kagaku Kagaku Ronbunshu (2001), 27(3), 303-313
 CODEN: KKRBAW; ISSN: 0386-216X
 PB Kagaku Kagakkai
 DT Journal
 LA Japanese

L8 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 2000:663038 HCAPLUS
 DN 134:48703
 TI Preparation of Y2O3:Eu3+ phosphor fine particles using an emulsion liquid
 membrane system
 AU Hirai, Takayuki; Hirano, Takashi; Komasaawa, Isao
 CS Graduate School of Engineering Science, Department of Chemical Science and
 Engineering, Osaka University, Toyonaka, 560-8531, Japan
 SO Journal of Materials Chemistry (2000), 10(10), 2306-2310
 CODEN: JMACEP; ISSN: 0959-9428
 PB Royal Society of Chemistry
 DT Journal
 LA English
 RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 1999:758020 HCAPLUS
 DN 132:84282
 TI The preparation of spherical calcium phosphate fine particles using an
 emulsion liquid membrane system
 AU Hirai, Takayuki; Hodono, Masayuki; Komasaawa, Isao
 CS Department of Chemical Science and Engineering Graduate School of
 Engineering Science, Osaka University, Toyonaka, 560-8531, Japan
 SO Langmuir (2000), 16(3), 955-960
 CODEN: LANGD5; ISSN: 0743-7463
 PB American Chemical Society
 DT Journal
 LA English
 RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
 AN 1999:411057 HCAPLUS

DN 131:193077
TI Preparation of fine acicular ferrite particles using an emulsion liquid membrane system
AU Hirai, Takayuki; Kobayashi, Jun; Komasa, Isao
CS Department of Chemical Science and Engineering, Graduate School of Engineering Science Osaka University, Toyonaka, 560-8531, Japan
SO Langmuir (1999), 15(19), 6291-6298
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1998:673202 HCAPLUS
DN 129:345584
OREF 129:70332h, 70333a
TI Preparation of Rare-Earth-Metal Oxalate Spherical Particles in Emulsion Liquid Membrane System Using Alkylphosphonic Acid as Cation Carrier
AU Hirai, Takayuki; Okamoto, Norihiko; Komasa, Isao
CS Department of Chemical Science and Engineering, Graduate School of Engineering Science Osaka University, Toyonaka Osaka, Japan
SO Langmuir (1998), 14(23), 6648-6653
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1997:734710 HCAPLUS
DN 128:66782
OREF 128:12971a, 12974a
TI Biomimetic Synthesis of Calcium Carbonate Particles in a Pseudovesicular Double Emulsion
AU Hirai, Takayuki; Hariguchi, Shuichi; Komasa, Isao; Davey, Roger J.
CS Department of Chemical Science and Engineering Graduate School of Engineering Science, Osaka University, Toyonaka, 560, Japan
SO Langmuir (1997), 13(25), 6650-6653
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1997:257049 HCAPLUS
DN 126:338102
OREF 126:65563a, 65566a
TI Flow analysis preconcentration of Mg and Zn using emulsions for flame atomic absorption spectrometry (FAAS)
AU Yokoyama, Takashi; Watarai, Takashi; Uehara, Takeo; Mizuoka, Kohichi; Kohara, Kenji; Kido, Masato; Zenki, Michio
CS Faculty Science, Okayama University Science, Okayama, 700, Japan
SO Fresenius' Journal of Analytical Chemistry (1997), 357(7), 860-863
CODEN: FJACES; ISSN: 0937-0633
PB Springer
DT Journal
LA English

L8 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1987:521664 HCAPLUS
DN 107:121664
OREF 107:19599a,19602a
TI The air/water interface as a model system for solvent extraction monolayer studies
AU Chaiko, D. J.; Osseo-Asare, K.
CS Dep. Miner. Eng., Pennsylvania State Univ., University Park, PA, 16802, USA
SO Solvent Extraction and Ion Exchange (1987), 5(2), 277-86
CODEN: SEIEDB; ISSN: 0736-6299
DT Journal
LA English

L8 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1985:425449 HCAPLUS
DN 103:25449
OREF 103:4169a,4172a
TI Copper extraction by LIX65N in liquid-liquid dispersion system
AU Takahashi, Katsuroku; Takeuchi, Hiroshi
CS Dep. Chem. Eng., Nagoya Univ., Nagoya, 464, Japan
SO Kagaku Kogaku Ronbunshu (1985), 11(3), 349-52
CODEN: KKRBAW; ISSN: 0386-216X
DT Journal
LA Japanese

L8 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1985:425448 HCAPLUS
DN 103:25448
OREF 103:4169a,4172a
TI Optimization of operating conditions in the extraction of copper by liquid surfactant membranes
AU Fujinawa, Katsuhiko; Morishita, Tamami; Hozawa, Mitsunori; Ino, Hajime
CS Chem. Res. Inst. Non-Aqueous Solutions, Tohoku Univ., Sendai, 980, Japan
SO Kagaku Kogaku Ronbunshu (1985), 11(3), 293-9
CODEN: KKRBAW; ISSN: 0386-216X
DT Journal
LA Japanese

=> s l3 and Detoxification
24098 DETOXIFICATION
39 DETOXIFICATIONS
24117 DETOXIFICATION
(DETOXIFICATION OR DETOXIFICATIONS)
L9 3 L3 AND DETOXIFICATION

=> d l9 1-3

L9 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:1452067 HCAPLUS
DN 148:175040
TI Potentialities of W/O/W multiple emulsions in drug delivery and detoxification
AU Grossiord, Jean-Louis; Stambouli, Moncef
CS Laboratoire de Physique Pharmaceutique UMR CNRS 8612, Faculte de Pharmacie, Chatenay-Malabry, F 92296, Fr.
SO Multiple Emulsions (2008), 209-234. Editor(s): Aserin, Abraham.
Publisher: John Wiley & Sons, Inc., Hoboken, N. J.
CODEN: 69KFSI; ISBN: 978-0-470-17093-9
DT Conference; General Review

LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:732453 HCAPLUS
DN 146:12772
TI Formulation of stable detoxifying w/o/w reactive multiple emulsions: in vitro evaluation
AU Hamoudeh, M.; Seiller, M.; Chauvierre, C.; Auchere, D.; Lacour, B.; Pareau, D.; Stambouli, M.; Grossiord, J.-L.
CS Laboratoire de Physicochimie, Pharmacotechnie et Biopharmacie, UMR CNRS 8612, Faculte de Pharmacie, Universite Paris-XI, Chatenay-Malabry, 92296, Fr.
SO Journal of Drug Delivery Science and Technology (2006), 16(3), 223-228
CODEN: JDDSAI; ISSN: 1773-2247
PB Editions de Sante
DT Journal
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1999:136784 HCAPLUS
DN 130:155667
TI Formulation of systems for controlled release of active ingredients in multiple-phase (water-in-oil-in-water) emulsions
IN Bibette, Jerome; Ficheux, Marie-Francoise; Leal Calderon, Fernando; Bonnakdar, Lida
PA Centre National de la Recherche Scientifique (CNRS), Fr.
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9907463	A1	19990218	WO 1998-FR1748	19980805
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2767064	A1	19990212	FR 1997-10154	19970807
	FR 2767064	B1	19991112		
	CA 2267083	A1	19990218	CA 1998-2267083	19980805
	CA 2267083	C	20040127		
	AU 9889887	A	19990301	AU 1998-89887	19980805
	AU 729461	B2	20010201		
	EP 930933	A1	19990728	EP 1998-941547	19980805
	EP 930933	B1	20030416		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE				
	JP 2000503685	T	20000328	JP 1999-511767	19980805
	JP 3725559	B2	20051214		
	AT 237395	T	20030515	AT 1998-941547	19980805
	ES 2200364	T3	20040301	ES 1998-941547	19980805
	US 6627603	B1	20030930	US 1999-284062	19990810
PRAI	FR 1997-10154	A	19970807		

WO 1998-FR1748 W 19980805
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
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for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
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NEWS 5 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 6 FEB 10 COMPENDEX reloaded and enhanced
NEWS 7 FEB 11 WTEXTILES reloaded and enhanced
NEWS 8 FEB 19 New patent-examiner citations in 300,000 CA/CAPLUS
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NEWS 10 FEB 23 Several formats for image display and print options
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NEWS 11 FEB 23 MEDLINE now offers more precise author group fields
and 2009 MeSH terms
NEWS 12 FEB 23 TOXCENTER updates mirror those of MEDLINE - more
precise author group fields and 2009 MeSH terms
NEWS 13 FEB 23 Three million new patent records blast AEROSPACE into
STN patent clusters
NEWS 14 FEB 25 USGENE enhanced with patent family and legal status
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NEWS 15 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display
formats
NEWS 16 MAR 11 EFFULL backfile enhanced with additional full-text
applications and grants
NEWS 17 MAR 11 ESBIOBASE reloaded and enhanced
NEWS 18 MAR 20 CAS databases on STN enhanced with new super role
for nanomaterial substances
NEWS 19 MAR 23 CA/CAPLUS enhanced with more than 250,000 patent

equivalents from China
 NEWS 20 MAR 30 IMPATENTS reloaded and enhanced
 NEWS 21 APR 03 CAS coverage of exemplified prophetic substances enhanced
 NEWS 22 APR 07 STN is raising the limits on saved answers
 NEWS 23 APR 24 CA/CAPLUS now has more comprehensive patent assignee information
 NEWS 24 APR 26 USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
 NEWS 25 APR 28 CAS patent authority coverage expanded
 NEWS 26 APR 28 ENCOMPLIT/ENCOMPLIT2 search fields enhanced
 NEWS 27 APR 28 Limits doubled for structure searching in CAS REGISTRY
 NEWS 28 MAY 08 STN Express, Version 8.4, now available
 NEWS 29 MAY 11 STN on the Web enhanced
 NEWS 30 MAY 11 BEILSTEIN substance information now available on STN Easy
 NEWS 31 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
 NEWS 32 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
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=> file hcaplus

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	ENTRY	SESSION
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s water-in-oil-in-water (w) (phase (W) transfer)
    2890550 WATER
    286180 WATERS
    2951402 WATER
          (WATER OR WATERS)
    869897 OIL
    417784 OILS
    985652 OIL
          (OIL OR OILS)
    2890550 WATER
    286180 WATERS
    2951402 WATER
          (WATER OR WATERS)
    2734 WATER-IN-OIL-IN-WATER
          (WATER(1W)OIL(1W)WATER)
    1983635 PHASE
    403588 PHASES
    2152801 PHASE
          (PHASE OR PHASES)
    923922 TRANSFER
    32637 TRANSFERS
    939874 TRANSFER
          (TRANSFER OR TRANSFERS)
L1      0 WATER-IN-OIL-IN-WATER (W) (PHASE (W) TRANSFER)

=> s water-in-oil-in-water (w) (extractant)
    2890550 WATER
    286180 WATERS
    2951402 WATER
          (WATER OR WATERS)
    869897 OIL
    417784 OILS
    985652 OIL
          (OIL OR OILS)
    2890550 WATER
    286180 WATERS
    2951402 WATER
          (WATER OR WATERS)
```



```

2734 WATER-IN-OIL-IN-WATER
      (WATER(1W)OIL(1W)WATER)
20226 EXTRACTANT
9768 EXTRACTANTS
25510 EXTRACTANT
      (EXTRACTANT OR EXTRACTANTS)
L2      1 WATER-IN-OIL-IN-WATER (W) (EXTRACTANT)

=> d l2

L2      ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN
AN      1987:521664 HCAPLUS
DN      107:121664
OREF    107:19599a,19602a
TI      The air/water interface as a model system for solvent extraction monolayer
      studies
AU      Chaiko, D. J.; Osseo-Asare, K.
CS      Dep. Miner. Eng., Pennsylvania State Univ., University Park, PA, 16802,
      USA
SO      Solvent Extraction and Ion Exchange (1987), 5(2), 277-86
CODEN: SEIEDB; ISSN: 0736-6299
DT      Journal
LA      English

=> s phase (w) transfer
1983635 PHASE
403588 PHASES
2152801 PHASE
      (PHASE OR PHASES)
923922 TRANSFER
32637 TRANSFERS
939874 TRANSFER
      (TRANSFER OR TRANSFERS)
L3      16447 PHASE (W) TRANSFER

=> s water-in-oil-in-water and l3
2890550 WATER
286180 WATERS
2951402 WATER
      (WATER OR WATERS)
869897 OIL
417784 OILS
985652 OIL
      (OIL OR OILS)
2890550 WATER
286180 WATERS
2951402 WATER
      (WATER OR WATERS)
2734 WATER-IN-OIL-IN-WATER
      (WATER(1W)OIL(1W)WATER)
L4      0 WATER-IN-OIL-IN-WATER AND L3

=> d his

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FILE 'HCAPLUS' ENTERED AT 09:52:03 ON 19 MAY 2009
L1      0 S WATER-IN-OIL-IN-WATER (W) (PHASE (W) TRANSFER)
L2      1 S WATER-IN-OIL-IN-WATER (W) (EXTRACTANT)
L3      16447 S PHASE (W) TRANSFER
L4      0 S WATER-IN-OIL-IN-WATER AND L3

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